

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 04676				SHEET 1 OF 1	
	DWG NO. 647.1500		REV: NC	PREPARED BY T. CROSS	DATE: 9/8/14	EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC.
	DWG TITLE: DEFLECTORS					
	APPROVED BY:	ENGR:	MFG:	QC:	EFF:	NEXT ORDER
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: REVISED BOM				ECR: D-14-07

ACTION LIST:
1. NONE

Superseded

4	R	601.3768	2	RIVET	CR3213-4-12	
F/N	TC	PART NUMBER	.1501 QTY	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED: <input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRU <input type="checkbox"/> ICA <input checked="" type="checkbox"/> BOM				CHANGE CATEGORY <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	DER REVIEW REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	

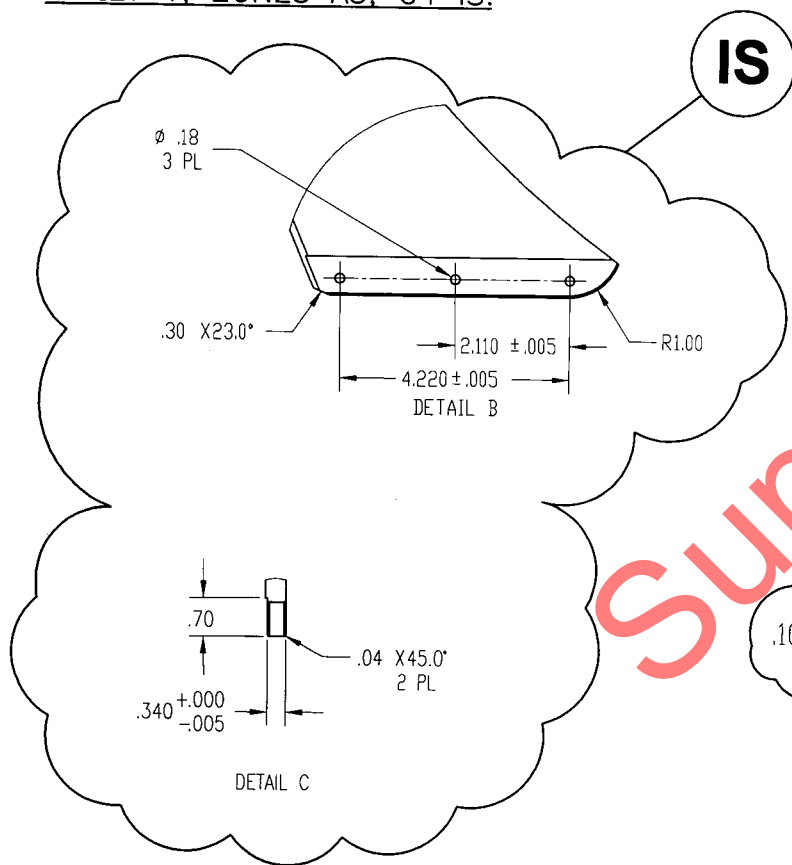
APICAL
INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO. 02960				SHEET 1 OF 2	
DWG NO. 647.1500		REV: N/C	PREPARED BY R. ROSANO	DATE: 09/01/10	EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC.
DWG TITLE: DEFLECTORS					
APPROVED BY:	ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER	
REASON: ADDED DETAIL TO SHOW NOTCH, CHANGED FILLET DIM., CHANGED TOLERANCES, REPLACED CHERRY RIVET WITH SOLID RIVET					

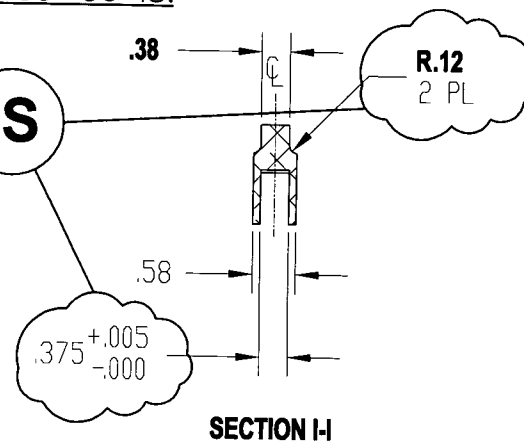
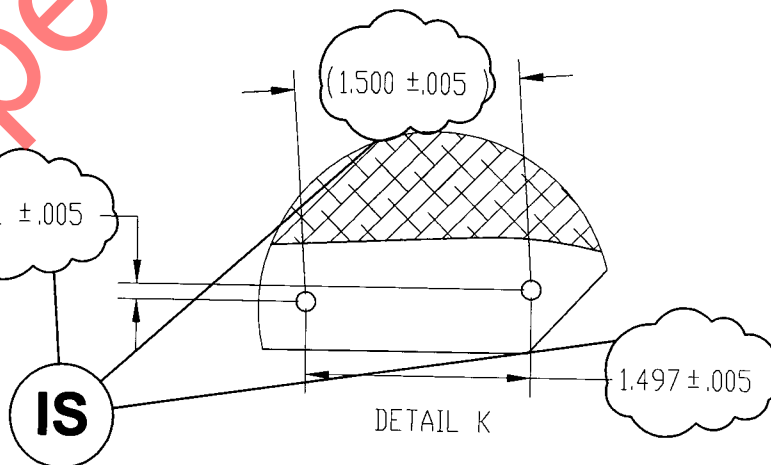
TRANSACTION CODES (TC):
A-ADD C-CREATE
R-REVISE D-DELETE

SHEET 4, ZONES C5-C6 IS:

SHEET 1, ZONES A5, C4 IS:

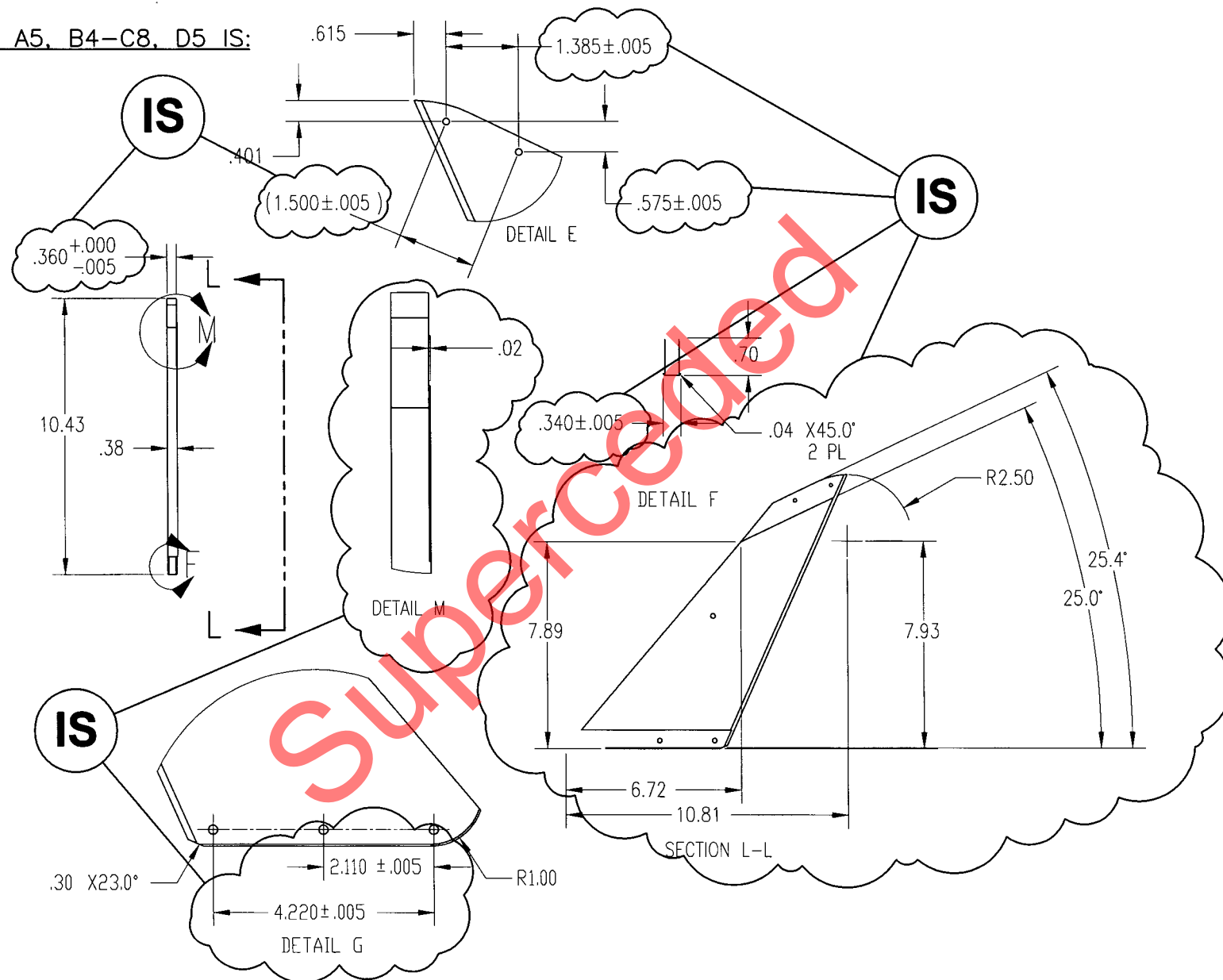


SHEET 5, ZONE A3-B4 IS:



4	R	600.0522	2	RIVET	MS20470AD4-10	
F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
			1501			
DOCUMENTS EFFECTED:				CHANGE CATEGORY	DER REVIEW REQUIRED	
<input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUC <input type="checkbox"/> ICA <input checked="" type="checkbox"/> BOM				<input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	

SHEET 3, ZONES A5, B4-C8, D5 IS:



F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION

1 2 3 4 5 6 7 8

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
N/C	LAST PROTOTYPE REVISION: PPI		11/C
N/C	INITIAL RELEASE	06/10/09	F. BRAVO

.13 X 45.0°

SECTION A-A

Ø.177 THRU 3 PL

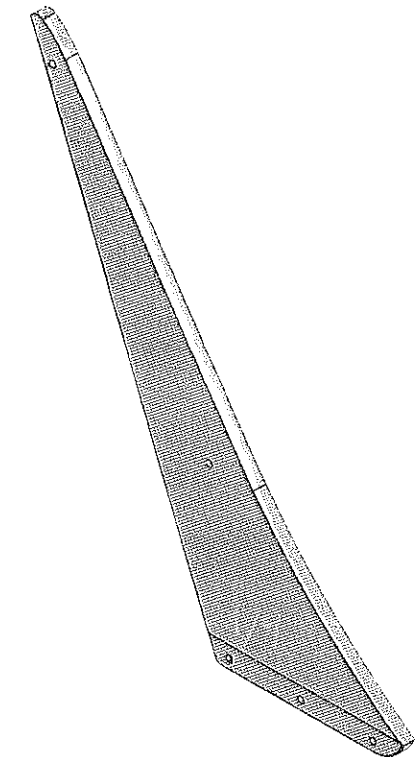
.30 X 23.0°

2.110 ± .002

R1.00

4.220 ± .002

DETAIL B



647.1510

R.26

16.44

(13.74)

13.12

12.828

A

A

R2.75

Ø.177 THRU 2 PL

5.026

4.97

54.9°

R19.50

.310

0

67.1°

B

.70

.04 X 45.0°
2 PL

.340 ± .000
-.002

DETAIL C

13.81









10.27

UNINCORPORATED ECN(s)

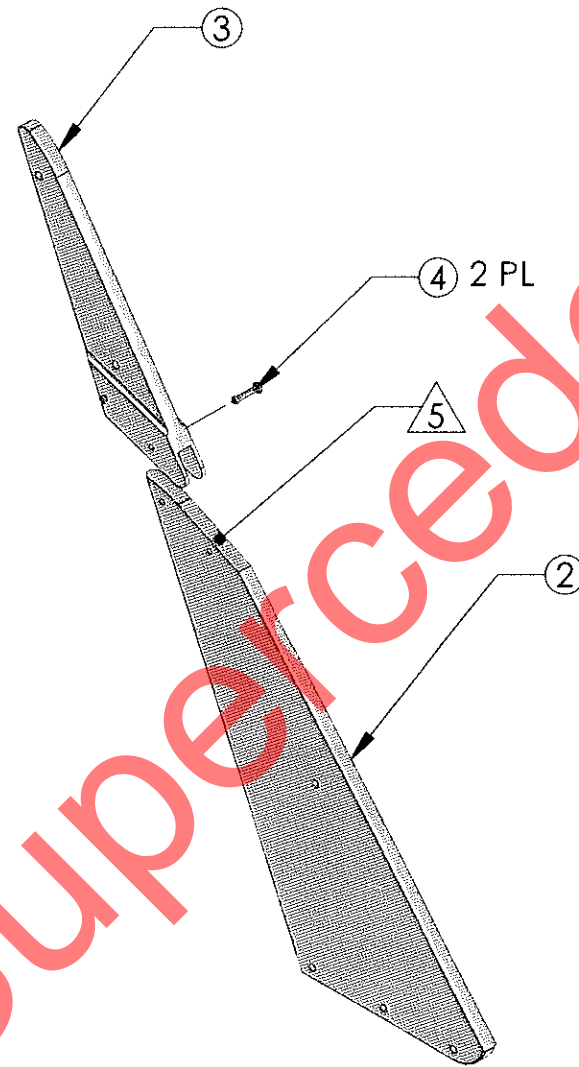
02960, 04676,

NOTES:

- 1 MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12
- 2 FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III, CLASS 2, COLOR BLACK; CARDINAL 4860-50 PRETREATMENT PRIMER PRIME IAW MIL-P-23377J TYPE I CLASS N; 1-2 MIL MAX
- 3 DEBURR AND BREAK ALL SHARP EDGES
- 4 IDENTIFY IAW MPP-120
- 5 APPLY F/N 5 AS REQUIRED TO ALL FAYING SURFACES OF F/N 2 & 3 UPON ASSY

	A/R	5	601.2045	RTV, LOCTITE 598		
	2	4	601.2990	RIVET	CR3213-4-10	
	1	3	647.1512	BREAKAWAY TIP		
	1	2	647.1511	LOWER DEFLECTOR		
		1	647.1510	UPPER DEFLECTOR		
			647.1501	LOWER DEFLECTOR ASSY		
	1501	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
QTY			PARTS LIST			
NEXT ASSY (S)		ORIGINAL DATE [MO-DA-YR] 06-10-09		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300		
647.1400		DRAWN BY [I GARDNER] CHECKER [P BRAVO]				
		DRAWING APPROVAL [P BRAVO] 06-10-09 		DEFLECTORS		
		CONTRACT NO.				
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°				
		SIZE	CAGE CODE	DWG. NO.	REV.	
		B	07MZ6	647.1500	N/C	
SCALE NONE				SHEET 1 OF 5		

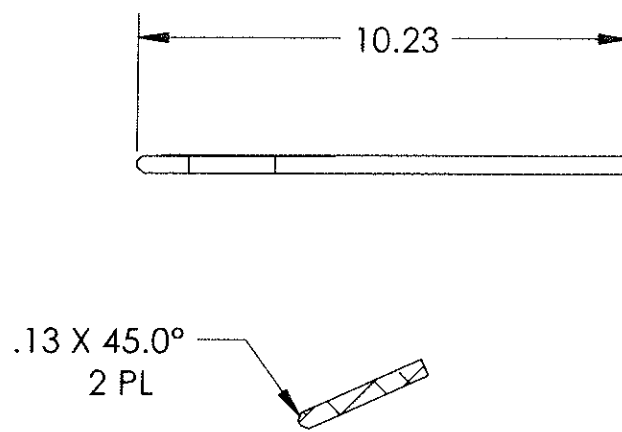
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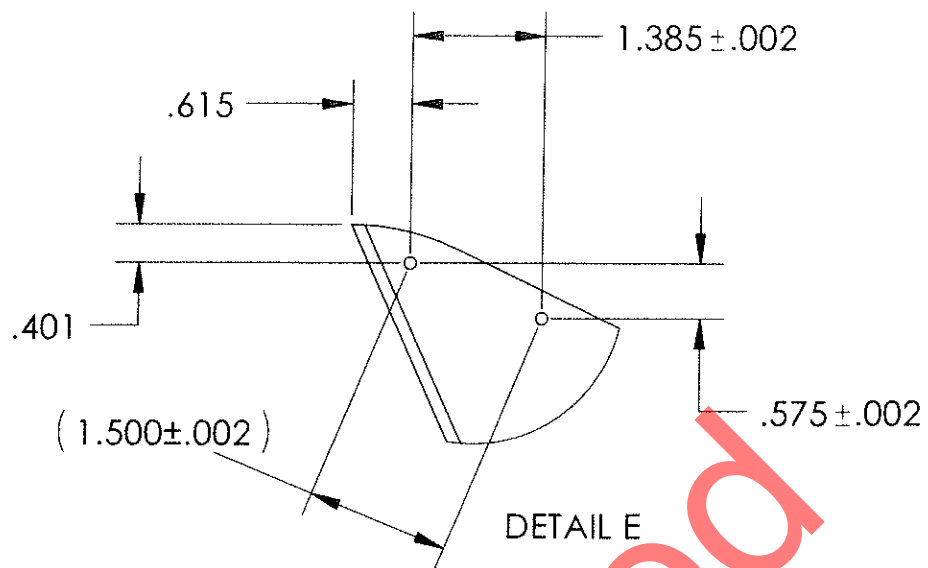
647.1501 SHOWN EXPLODED

ORIGINAL DATE (MO-DA-YR) 06-10-09		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300			
DRAWN BY J. GARDNER	CHECKER P. BRAVO				
DRAWING APPROVAL P. BRAVO					
CONTRACT No.		DEFLECTORS			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .005 ANGLES ± .5°		SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.1500	REV N/C
		SCALE: NONE			SHEET 2 OF 5

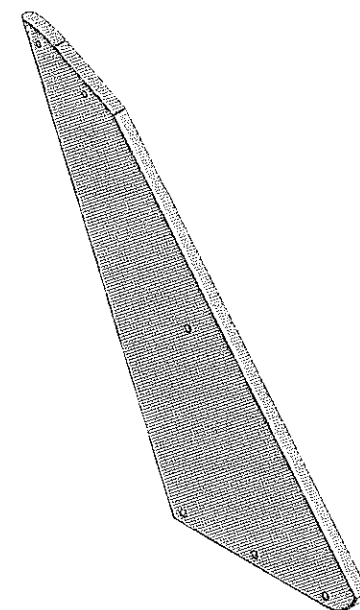
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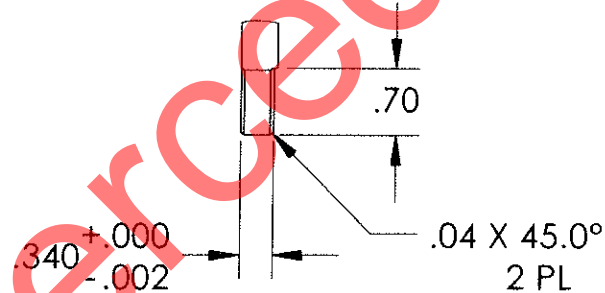
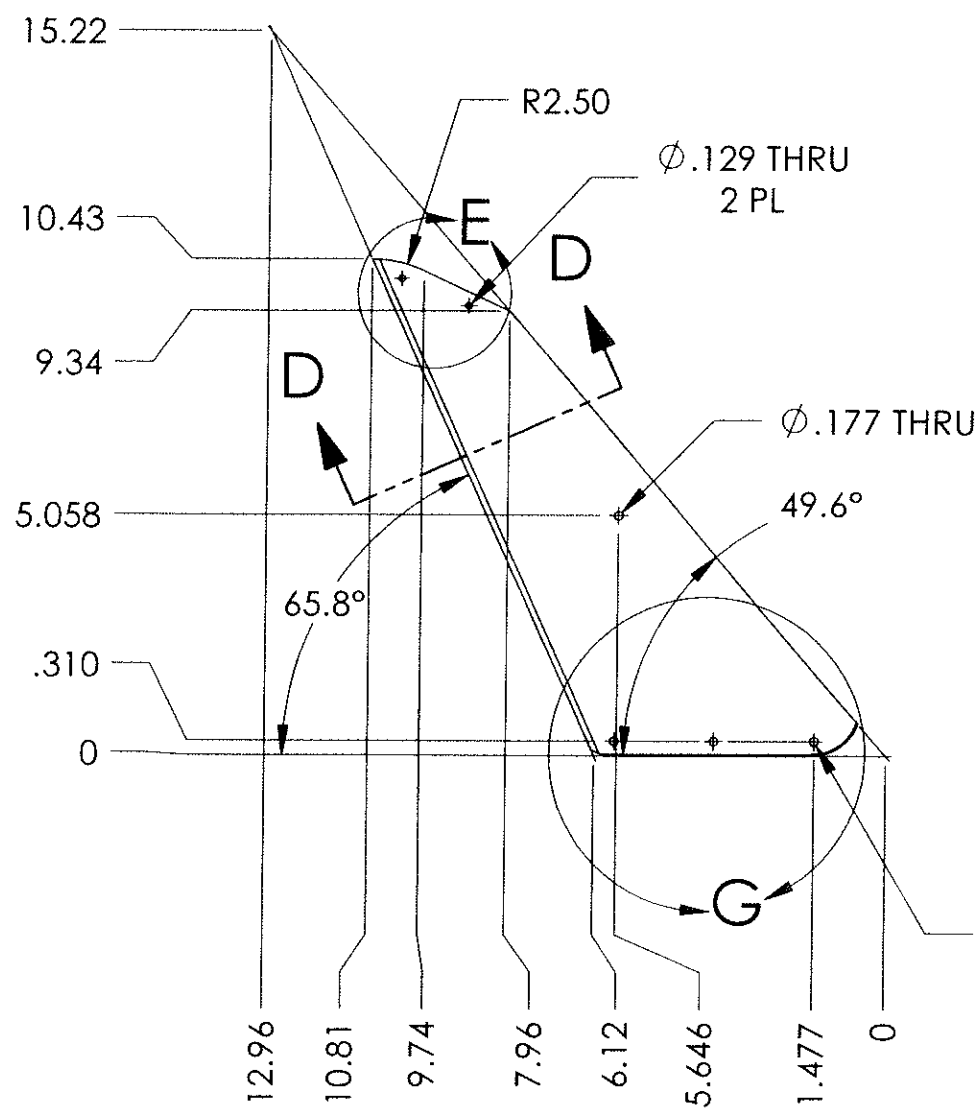
SECTION D-D



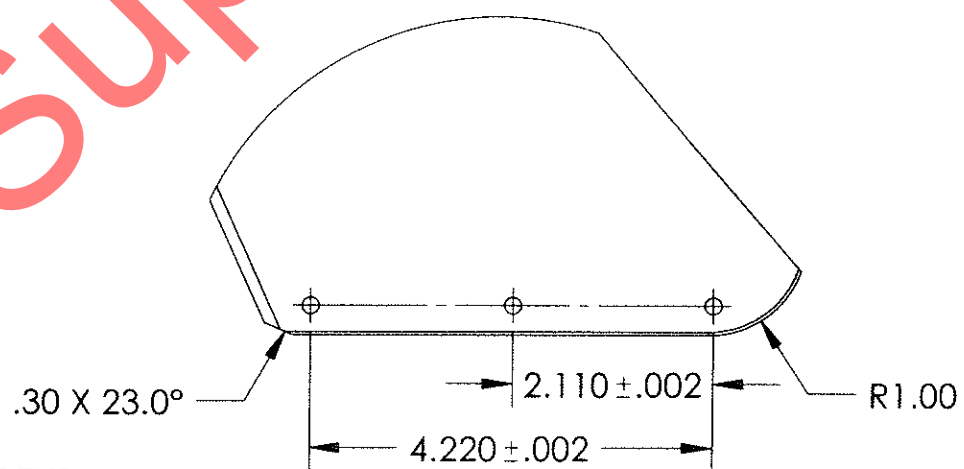
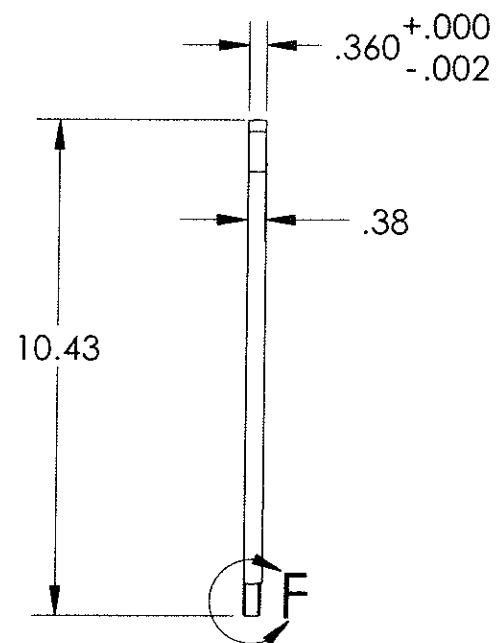
DETAIL E



647.1511



DETAIL F



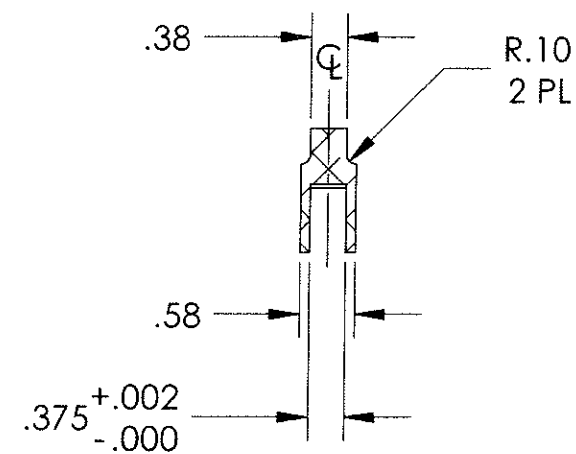
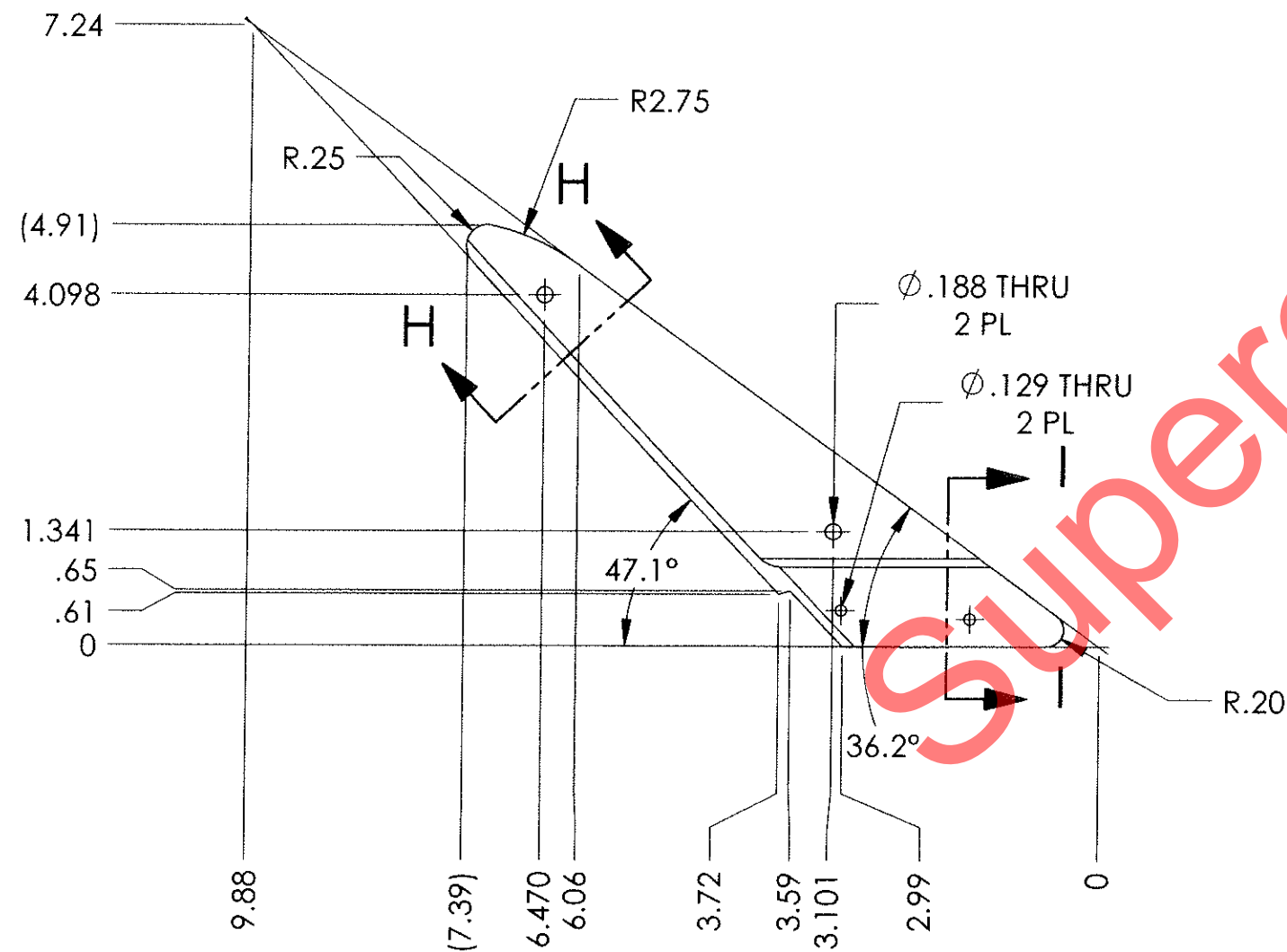
DETAIL G

ORIGINAL DATE (MO-DA-YR) 06-10-09		APICAL INDUSTRIES	
DRAWN BY J. GARDNER	CHECKER P. BRAVO	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO		DEFLECTORS	
CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .005 ANGLES ± .5°		SIZE B	REV. N/C
		CAGE CODE 07MZ6	DWG. NO. 647.1500
		SCALE: NONE	
		SHEET 3 OF 5	

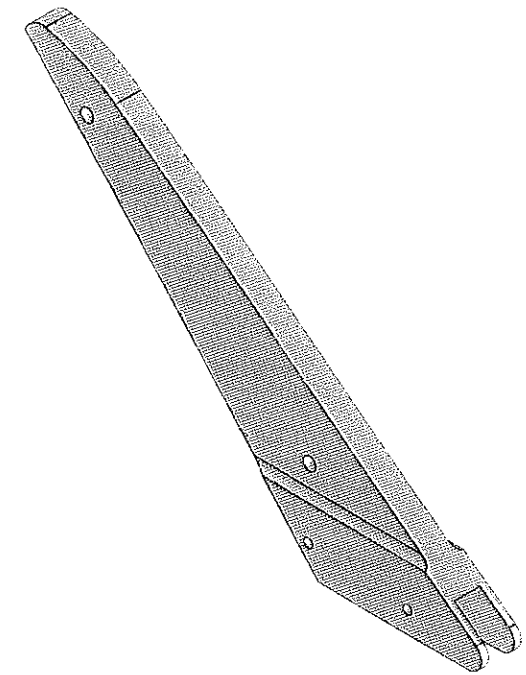
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.13 X 45.0°
2 PL

SECTION H-H



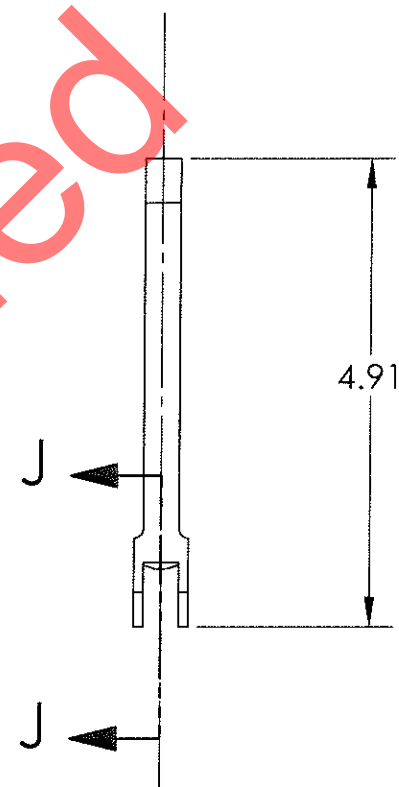
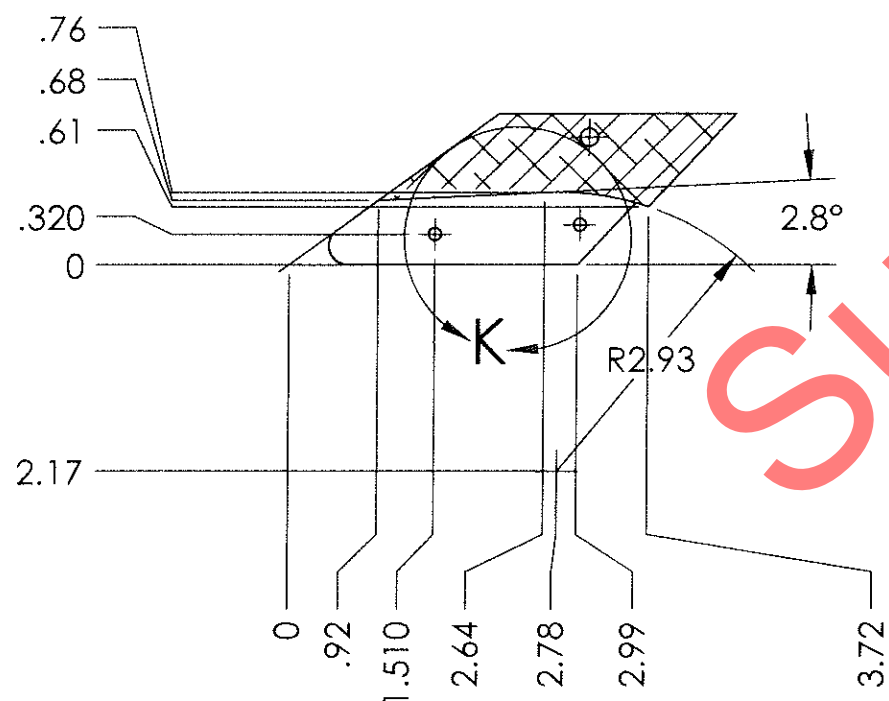
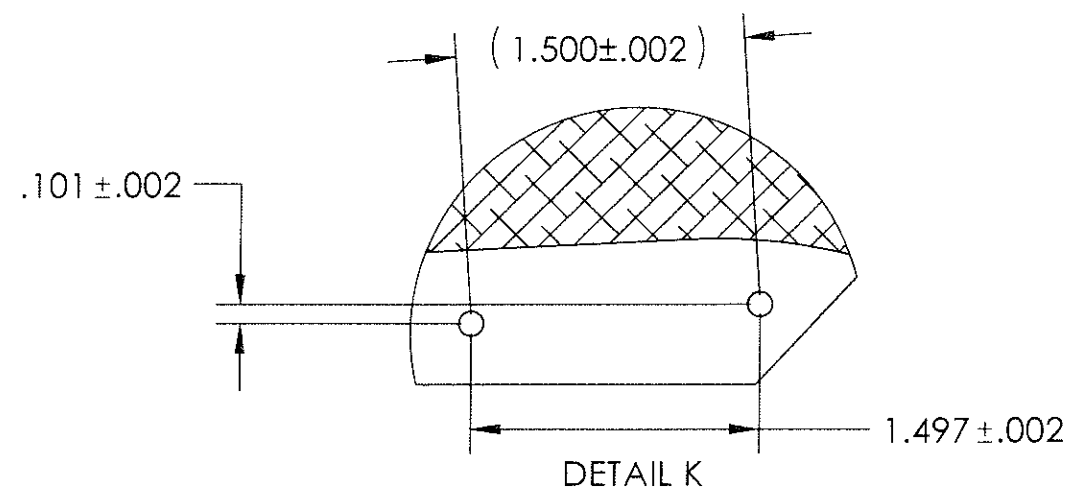
SECTION H-H



647.1512

ORIGINAL DATE (MO-DA-YR) 06-10-00		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300			
DRAWN BY J. GARDNER	CHECKED P. BRAVO				
DRAWING APPROVAL P. BRAVO					
CONTRACT NO.		DEFLECTORS			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE	CAGE CODE	DWG. NO.	REV.
		B	07M26	647.1500	N/C
		SCALE: NONE			SHEET 4 OF 5

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647.1512 RIGHT VIEW

ORIGINAL DATE (MO-DA-YR) 06-10-09		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760) 724-5300		
DRAWN BY J. GARDNER	CHECKED BY P. BRAVO			
DRAWING APPROVAL P. BRAVO		DEFLECTORS		
CONTRACT NO.		SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.1500
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SCALE NONE	REV. N/C	SHEET 5 OF 5